

**Notice of Allowability**

Application No.

09/817,224

Examiner

Doug Hutton

Applicant(s)

SHIMAMURA, KAORU

Art Unit

2179

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's Response dated 22 November 2004.
2. ☒ The allowed claim(s) is/are 1,3-9,11 and 13-16.
3. ☒ The drawings filed on 27 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Henry J. Staas on 6 May 2005.

Amend the application as follows:

*In the Specification:*

- Page 15, Line 29 → amend "5D" to — 5A —.

*In the Claims:*

1. (currently amended) An external-character font creation system for creating external-character fonts from master fonts that comprise master codes, the external-character font creation system comprising:
  - a display unit displaying an external-character code registration interface screen registering various of the master codes into an external-character code table that shows a correspondence between master codes and respective external-character codes of external characters ~~to be~~ registered;

an edit unit registering a one of the master codes corresponding to an one of the external-character codes in the external-character code table;

a font selection screen which is used when selecting an external-character font file created corresponding to an external-character font file from among a plurality of external-character files created a font for an external-character font file from among a plurality of fonts based on a correspondence relationship between a one of the master fonts and an one of the external character fonts;

a font selecting section selecting a plurality of external-character the fonts of for insertion into the external-character font file by using the font selection screen; and

an external-character font file creating section creating an the external-character font file of the external-character for each of the fonts selected by using the font selecting section.

2. (canceled)

3. (currently amended) The external-character font creation system according to Claim 1, the external-character font creation system further comprising a character pattern reference file definition table which is used when defining a master-font file, wherein ~~in which~~ a character patterns

defined by the master codes ~~is referred~~ refer to ~~among a plurality of the~~  
master-font file files that ~~are~~ is classified into types of designs of character  
fonts.

4. (currently amended) The external-character font creation system  
according to Claim 1, the external-character font creation system further  
comprising a character pattern registering section copying a character  
pattern defined by one of the master codes from a master-font file into an  
the external-character font file ~~based on a master code~~, using the  
external-character code registration interface screen.

5. (previously presented) The external-character font creation system  
according to Claim 1, wherein character patterns are listed in the external-  
character code table.

6. (currently amended) The external-character font creation system  
according to Claim 3, the external-character font creation system further  
comprising a character shape confirmation font file storing character  
patterns ~~which makes it possible to confirm character shapes of the~~  
master fonts ~~as character patterns created in accordance with master~~  
~~codes, as another master font file.~~

7. (currently amended) The external-character font creation system according to Claim 3, wherein a the master-font file defined within the character pattern reference file definition table is either a master-font file by design type or a symbol master-font file.

8. (currently amended) The external-character font creation system according to Claim 3, wherein a the master-font file defined within the character pattern reference file definition table is either a master-font file by design type or a master-font file of a specific design.

9. (currently amended) A program recording medium recorded with a program for making a computer create an external-character fonts from master fonts that comprise master codes, ~~wherein the program recording medium is recorded with a program for~~ and making the computer perform a process, the process comprising:

a display function of displaying an external-character code registration interface screen ~~which is used to register~~ registering various of the master codes into an external-character code table that shows a correspondence between master codes and respective external-character codes of an external characters ~~to be registered~~;

an edit function of registering a one of the master codes corresponding to an one of the external-character codes in the external-character code table;

a first font selection screen function ~~which is used when selecting an external-character font file created corresponding to an external-character font file from among a plurality of external-character files created~~ a font for an external-character font file from among a plurality of fonts based on a correspondence relationship between a one of the master fonts and an one of the external character fonts;

a second font selecting section function selecting a plurality of ~~external-character~~ the fonts of for insertion into the external-character font file by using the first font selection screen function; and

an external-character font file creating ~~section~~ function creating an the external-character font file ~~of the external-character~~ for each of the fonts selected by using the second font selecting section function.

10. (canceled)

11. (currently amended) The program recording medium according to Claim 9, wherein the process further comprises:

~~the program recording medium is further recorded with a program for making the computer achieve~~

~~a function of creating a character pattern reference file definition~~  
table creation function ~~which is used when~~ defining a master-font file,  
~~wherein in which~~ a character patterns defined by the master codes is  
~~referred refer to among a plurality of the~~ master-font file files that are is  
classified into types of designs of character fonts.

12. (canceled)

13. (currently amended) A method, comprising:

storing a master font code scheme comprising different master  
character codes associated with respective different master graphic  
character patterns;

providing a graphical user interface ~~with which a user builds and~~  
~~stores~~ building and storing an external font code scheme by interactively  
assigning different of the master character codes to respective different  
external character codes of the external font code scheme; and

processing the external font code scheme to build a font file for the  
external font code scheme, the processing ~~comprising~~ using the master  
character codes in the external font code scheme to find their  
corresponding master graphic character patterns in the master font code  
scheme and writing the external character codes and their the ~~respective~~

found corresponding master graphic character patterns into the font file for the external font code scheme.

14. (previously presented) A The method according to ~~claim~~ Claim 13, wherein the graphical user interface ~~is used to build~~s different external font code schemes with different corresponding sets of external character codes and respective assigned master character codes, and wherein the processing ~~is performed to build~~s font files for the respective different external font code schemes.

15. (previously presented) A The method according to ~~claim~~ Claim 14, wherein the different font files correspond to different font formats displayable by an operating system.

16. (previously presented) A The method according to ~~claim~~ Claim 13, wherein ~~the method allows~~ the same master font code scheme and its master graphic patterns ~~to be used to build~~ different external font code schemes and corresponding font files using the master graphic patterns of the master font code scheme.



***Allowable Subject Matter***

Claims 1, 3-9, 11 and 13-16 are allowed.

The following is an examiner's statement of reasons for allowance:

***Claims 1 and 9:***

The closest prior art is Yamaguchi, Japanese Patent Publication No. 06259426.

Yamaguchi discloses a character processing system that comprises a single external character file that is stored together with a plurality of face type files. The external character file stores external characters that are created by a user. Thus, the system requires the user to directly edit the external characters into particular face types. The system includes a correlation table used for mapping the external characters to corresponding face types. The correlation table is also used for mapping external characters to character codes. Thus, the correlation table allows a user to manually map an external character to a character code and a face type. In this way, the system allows a user to register fonts.

As recited in Claims 1 and 9, the present invention comprises the following features: 1) providing a GUI to register a mapping of master codes to corresponding external character codes; 2) providing a GUI to select multiple fonts from a plurality of fonts based on a relationship between a master font and a corresponding external character fonts, wherein each of the selected fonts are to be inserted into an external character font file; and 3) building an external character font file for each of the selected fonts.

The prior art fails to disclose or suggest: 1) providing a GUI that allows mapping of master codes to their corresponding external-character codes; 2) providing a GUI that allows selecting a plurality of fonts for insertion into an external-character font file; and 3) creating the external-character font file by using: i) the mapping of the master codes and their corresponding external-character codes, and ii) the selected fonts.

Accordingly, the subject matter of Claims 1 and 9 is allowable.

*Claims 3-8 and 11:*

These claims are dependent upon Claim 1 and are thus allowable.

*Claim 13:*

The closest prior art is Yamaguchi, Japanese Patent Publication No. 06259426. The disclosure of Yamaguchi is provided in the above discussion.

As recited in Claim 13, the present invention comprises the following features:  
1) providing a **master** font code scheme that comprises master character codes and their corresponding master graphic character patterns; 2) providing a GUI that allows a user to map **master** character codes to their corresponding external character codes; and 3) building an external character font file by finding the master graphic character pattern for each corresponding external character code using the master character code to connect the master font code scheme and the mapping.

The prior art fails to disclose or suggest a **master** font code scheme and a mapping of **master** character codes to their corresponding external character codes, wherein the mapping and the master font code scheme are correlated to create an external character font file.

Accordingly, the subject matter of Claim 13 is allowable.

*Claims 14-16:*

These claims are dependent upon Claim 13 and are thus allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Doug Hutton whose telephone number is (571) 272-4137. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:00 PM.

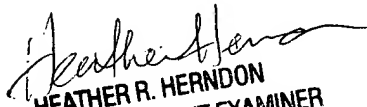
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached at (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

WDH

May 6, 2005

  
HEATHER R. HERNDON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100